

PTO/SB/21 (09-04)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10731,353	
	Filing Date	December 9, 2003	
	First Named Inventor	Robert T. Sprague et al.	
	Art Unit	3739	
	Examiner Name	Henry M. Johnson III	
Total Number of Pages In This Submission	6	Attorney Docket Number	107431

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MAR 22 2005

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input checked="" type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Credit Card Form PTO-2038
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	UOP LLC	
Signature	<i>Arthur E. Gooding</i>	
Printed name	Arthur E. Gooding	
Date	3/22/05	Reg. No. 50,513

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature	<i>Margherita M. Laricchia</i>	
Typed or printed name	Margherita M. Laricchia	Date March 22, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$130

**Complete If Known**

Application Number	10/731,353
Filing Date	December 9, 2003
First Named Inventor	Robert T. Sprague et al.
Examiner Name	Henry M. Johnson III
Art Unit	3739
Attorney Docket No.	107431

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☐ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=				
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP =	x	=				
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Fee Code 1814 Statutory disclaimer

Fees Paid (\$)

130.00

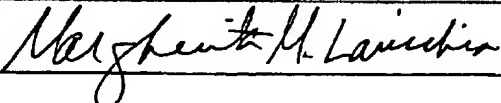
**SUBMITTED BY**

Signature	<i>Arthur E. Gooding</i>	Registration No. (Attorney/Agent)	50,513	Telephone	847-391-1520
Name (Print/Type)	Arthur E. Gooding	Date	3/22/05		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**"Official"**

<b>CERTIFICATE OF MAILING OR TRANSMISSION</b>			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated below in an envelope addressed to Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450, or facsimile transmitted to the Commissioner for Patents.			
Name (Print/Type)	Margherita M. Laricchia	Fax # (if faxed)	703-872-9306
Signature		Date	March 22, 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**RECEIVED  
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Appl. No. : 10/731,353  
Applicant : Robert T. Sprague et al.  
Filed : December 9, 2003  
TC/A.U. : 3739  
Examiner : Henry M. Johnson III

Confirmation No. 3538

MAR 22 2005

Docket No. : 107431  
Customer No. : 23490

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING  
REJECTION OVER A PRIOR PATENT**

Sir:

I, John G. Tolomei, residing at Lake Zurich, Illinois, represent that I am a representative authorized to sign on behalf of the assignee identified below owning all of the interest in the above-identified application.

**Identity of Assignee and Title of Disclaimant**

The assignee is UOP LLC  
whose address is 25 East Algonquin Road  
P.O. Box 5017  
Des Plaines, IL 60017-5017

Disclaimant is an Assistant Secretary - Patent Matters of UOP LLC and is authorized to sign on behalf of assignee.

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**Basis of Assignee's Interest**

Ownership by the assignee is established as follows:

- ☒ An assignment from the inventor(s) of the patent application identified above, which was recorded in the PTO at Reel 14229 Frame 807
- ☐ An assignment (document) separately being submitted to the Assignment Branch for recordal herewith.

I, the undersigned, have reviewed all the documents in the chain of title of the above-identified patent application and to the best of my knowledge and belief, title is in UOP LLC.

The extent of UOP LLC's interest is in the whole of this invention.

**Disclaimer**

I hereby disclaim the terminal part of any patent granted on the above-identified application, which would extend beyond the expiration date of the full statutory term of:

- ☒ United States Patent No. **6,832,995 B1** as presently shortened by any terminal disclaimer or
- ☐ any patent granted on Application No. \_\_\_\_\_

and hereby agree that any patent so granted on the above-identified application shall be enforceable only for and during such period that the legal title to said patent shall be the same as the legal title to:

- ☒ United States Patent No. **6,832,995 B1** or
- ☐ any patent granted on Application No. \_\_\_\_\_

this agreement to run with any patent granted on the above-identified application and to be binding upon the grantor, its successors or assigns.

Assignee does not disclaim any terminal part of any patent granted on the above-identified application prior to the earliest expiration date of the full statutory term of:

- ☒ United States Patent No. **6,832,995 B1** as presently shortened by any terminal disclaimer or
- ☐ any patent granted on Application No. \_\_\_\_\_

Robert T. Sprague et al., S.N. 10/731,353 (107431)

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in the event that any such patent or application later expires for failure to pay a maintenance fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321(a), has all claims cancelled by a reexamination certificate, or is otherwise terminated prior to expiration of its statutory term as presently shortened by any terminal disclaimer, except for the separation of legal title stated above.

**Fee Payment**

A fee transmittal form as well as authorization for credit card payment of the terminal disclaimer fee, are attached.

Respectfully submitted,

UOP LLC

Date: 3/22/05

By: John G. Tolomei  
John G. Tolomei  
Assistant Secretary - Patent Matters  
Registration No. 30,809

Arthur E. Gooding, Reg. No. 50,513  
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AEG/mml